









L1R-M1Ralign

<u></u>																- Section	on 1
	(1)	1		,10			20			,30)		,40				54
L1R-P07612	(1)	MGAA	ASI	QTTV	NTL	SERI	SSK	LEQ	EAN	ASA	QTK	CDIE	IGNF	YIRC	NHO	CNL	rvĸ
L1R-AAA48076		MGAA															
M1R-AAA60821		MGAA															
M1R-P33040		MGAA															
Consensus		MGAA															
																Section	on 2
	(55)	55	,60			,70			,80			90					108
L1R-P07612	(55)	NMCS	ADA	DAQI	DAV	LSA	TET	YSG	LTP	EQK.	AYV	PAMF	TAAL	rgin	SVN	ITVVI	RDF
L1R-AAA48076		NMCS															
M1R-AAA60821		NMCS															
M1R-P33040	(55)	NMCS	ADA	DAQI	DAV	LSAA	TET	YSG	LTP:	EQK	AYV	PAMF	TAAL	TQIN	SVN	TVVF	RDF
Consensus	(55)	NMCS	ADA	DAQI	DAV	LSAA	TET	YSG	LTP:	EQK.	AYV	PAMF	TAAL:	TQIN	SVN	TVVF	RDF
																Section	n 3
	(109)				,120			130			,140			150			162
L1R-P07612	(109)	ENYV	KQT	CNSS	VVAS	DNKI	KIQI	IV	IDE	CYG	APG	SPTN	LEFI:	NTGS	SKG	NCAI	KA
L1R-AAA48076	(109)	ENYV	KQT	CNSS	VVAS	DNKI	KIQI	IVV	IDE	CYG	APG	SPTN	LEFI	NTGS	SKG	NCAI	KA
M1R-AAA60821	(109)	ENYV	KQT	CNSS	VVAS	DNKI	KIQI	IV	IDE	CYG	APG	SPTN	LEFI	NTGS	SKG	NCAI	KA
M1R-P33040																	
Consensus	(109)	ENYV	KQT	CNSS	VVAS	DNKI	KIQI	IVE	IDE	CYG	APG	SPTN	LEFI	NTGS	SKG	NCAI	KA
		· · · · · · · · · · · · · · · · · · ·														Section	n 4
	(163)				··		80			190			200				<u>216</u>
L1R-P07612																	
L1R-AAA48076																	
M1R-AAA60821																	
M1R-P33040																	
Consensus	(163)	LMQL	TTK	ATTÇ	QIAP	RQVA	GTG	VQF	YMI.	VIG	VIII	LAAL	FMYY.	AKRM	LFT	STNE	KI
																Section	n 5
	(217)	217			2	30		_24	10		25	0					

(217) 217 230 240 250
L1R-P07612 (217) KLILANKENVHWTTYMDTFFRTSPMVIATTDMQN
L1R-AAA48076 (217) KLILANKENVHWTTYMDTFFRTSPMVIATTDMQN
M1R-AAA60821 (217) KLILANKENVHWTTYMDTFFRTSPMVIATTDIQN
M1R-P33040 (217) KLILANKENVHWTTYMDTFFRTSPMVIATTDIQN
Consensus (217) KLILANKENVHWTTYMDTFFRTSPMVIATTDMQN

FIGURE 3.

A27L-A30Lalign

				• • • • • • • • • • • • • • • • • • • •							Section 1
	(1)	1		0		20		,30	,40)	54
A27L-P11258	(1)	MDGI	LFPGDI	DLAI	PATEF	FSTKA	AKKPI	RKREQ	IVKADE	DDNEETI	LKQRLTNL
A27L-P20535											LKQRLTNL
A30L-P33816	(1)	MDGT	LFPGDI	DLAI	PATEF	FSTKA	AKKPE	EAKREA	IVKADG	DNNEETI	LKQRLTNL
A30L-AAA60882											LKQRLTNL
Consensus	(1)	MDGT	LFPGDI	DDLAI	PATEF	FSTKA	AKKPI	EAKREA	IVKADG	DDNEETI	LKQRLTNL
											— Section 2
	(55)	55	.60		,70_		,80		,90		108
A27L-P11258	(55)	EKKI	TNVTT	KFEQI	EKCCK	RNDEV	LFRLE	ENHAET	LRAAMI	SLAKKII	DVQTGRRP
A27L-P20535											DVQTGRRP
A30L-P33816	(55)	EKKI	TNVTT	KFEQI	EKCCK	RNDDV	LFRLE	ENHAET	LRAAMI	SLAKKII	DVQTGRRP
A30L-AAA60882	(55)	EKKI	TNVTT	KFEQI	EKCCK	RNDDV	LFRLE	ENHAET	LRAAMI	SLAKKII	DVQTGRRP
Consensus	(55)	EKKI	TNVTT	KFEQI	EKCCK	RNDDV	LFRLE	ENHAET	LRAAMI	SLAKKII	DVQTGRRP
											— Section 3
	(109)	11009									

A27L-P11258 (109) YE

A27L-P20535 (109) YE

A30L-P33816 (109) YE

A30L-AAA60882 (109) YE

Consensus (109) YE



A33R-A36Ralign

									—— Section 1
	(1)	1	.10		<u>,</u> 20		30	.40	54
A33R-H42520									LLSMITMSAF
A33R-AAA48160									LLSMITMSAF
A36R-P33850									LLSMITMSAF
A36R-AAA60888									LLSMITMSAF
Consensus	(1)	MMTP	ENDEEQI	SVFSATV	YGDKI	QGKNKRI	KRVIGIC	IRISMVIS	LLSMITMSAF
.,				······································	-				—— Section 2
	(55)	55	60	,70		.80	.90)	108
A33R-H42520	(55)	LIVR	LNQCMSA	NEAAITD	AAVAV	AAASSTI	HRKVASS	TTQYDHKE	SCNGLYYQGS
A33R-AAA48160	(55)	LIVR	LNQCMSA	NEAAITD	AAVAV	AAASSTI	HRKVASS	TTQYDHKE	SCNGLYYQGS
A36R-P33850	(55)	LIVR	LNQCMSA	NEAAITD	-ATAV	AAALSTI	HRKVASS	TTQYKHQE	SCNGLYYQGS
A36R-AAA60888	(55)	LIVR	LNQCMSA	NEAAITD	-ATAV	AAALSTI	HRKVASS	TTQYKHQE	SCNGLYYQGS
Consensus	(55)	LIVR	LNQCMSA	NEAAITD	AAVAV	AAASSTI	HRKVASS	TTQYKHQE	SCNGLYYQGS
						······································			—— Section 3
	(109)	109		,120	130		140	,150	162
A33R-H42520	(109)	CYIL	HSDYQLF	SDAKANC	TAESS	rlpnks:	DVLITWL	IDYVEDTW	GSDGNPITKT
A33R-AAA48160									
									GSDGNPITKT
A36R-AAA60888									
Consensus	(109)	CYIL	HSDYQLE	SDAKANC	TTESS'	rlpnks	DVLTTWL	IDYVEDTW	GSDGNPITKT
			· · · · · · · · · · · · · · · · · · ·						Section 4
	(163)		.170		185	_			
A33R-H42520									
A33R-AAA48160									
A36R-P33850									
A36R-AAA60888									
Consensus	(163)	TSDY	QDSDVSÇ	EVRKYFC	VKTMN				



D8L-F8Lalign

																_	_ Secti	on 1
	(1)			10			20		**********	,30				40				55
D8L-P04195	(1)	MPQQLS	PIN	IETH	KAI	SNA	RLK	PLD	IHY	NES:	KPI	TI	QNT	GKL	VR	INF	(GGY)	SGG
D8L-AAA48107	(1)	MPQQLS	PIN	IETH	KAI	SNA	RLK	PLD	IHY	NES:	KPI	TI	QNT	GKL	VR	INF	(GGY)	SGG
F8L-P33065	(1)	MSQQLS	PIN	IETH	KAI	SNA	RLK	PLN	IHY	NES:	KPT	TI	QNT	GKL	VR	INF	GGYI	SGG
F8L-AAA60846	(1)	MSQQLS	PIN	IET	KAI	SNA	RLK	PLN	IHY	NES:	KPI	TI	QNT	GKL	۷R	INF	GGYI	SGG
Consensus	(1)	MSQQLS	PIN	IETH	KKAI	SNA	RLK	PLN	IHY	NES:	KPT	TI	QNT	GKL	٧R	INF	(GGY	SGG
																	Secti	on 2
	(56)				,70			,80				90				100		110
D8L-P04195	(56)	FLPNEY	VLS	SLH	YWG	KEI	DYG	SNH	LID	VYK.	YSG	EI	NLV	HWN	KK:	KYSS	YEE	XKKH
D8L-AAA48107	(56)	FLPNEY	VLS	SLHI	YWG	KEI	DYG	SNH	LID	VYK'	YSG	EI	NLV	HWN	KK:	KYSS	YEE	ккн
F8L-P33065	(56)	FLPNEY	YLS	SLHI	YWG	KEI	DYG	SNH	LID	VYK.	YSG	EI	NLV	HWN	KK:	KYSS	YEEA	ккн
F8L-AAA60846	(56)	FLPNEY	VLS	SLHI	YWG	KEI	DYG	SNH	LID	VYK'	YSG	EI	NLV	HWN	KK:	KYSS	YEE	ккн
Consensus	(56)	FLPNEY	VLS	SLH	YWG	KEI	DYG	SNH	LID	VYK'	YSG	EI	игν	HWN	KK:	KYSS	YEE	ккн
																	 Secti 	on 3
	111)			120			,130			,140				150				165
D8L-P04195 (111)	DDGLII	ISI	FLQ	/LDH	KNV	YFQ	KIV	NQL	DSI	RSA	NT	SAP	FDS	VF	YLDN	ILLPS	KLD
D8L-AAA48107 (111)	DDGLII	ISI	FLQV	SDH	KNV	YFQ	κιν	NOL	DSI	RSA	NT	SAP	FDS	VF	YLDN	ILLPS	TLD
F8L-P33065 (111)	DDGLII	ISI	FLQ	SDH	KNV	YFQ	KIV	NQL	DSI	RTA	NT	SAP	FDS	VF	YLDN	ILLPS	KLD
F8L-AAA60846 (111)	DDGLII	ISI	FLQV	SDH	KNV	YFQ	κιν	NQL	DSI	RTA	NT	SAP	FDS	VF	YLDN	ILLPS	KLD
Consensus (111)	DDGLII	ISI	FLQV	/SDH	KNV	YFQ	κιν	иQL	DSI	RSA	NT	SAP	FDS	VF	YLDN	ILLPS	KLD
																	_ Secti	
(166)	166			,180)		,19	90			200			;	210		220
D8L-P04195 (TTI	NHSA	VADA	WII	FPT	PIN	IHS	DQL	SKF	RT	LLS	SSN	HD	GKPF	YITE	ENYR
D8L-AAA48107 (166)	YFTYLO	TTI	KHSA	VADA	WII	FPT	PIN	IHS	DQL	SKF	RT:	LLS	SSN	HD	GKPY	YITE	ENYR
F8L-P33065 (166)	YFKYLO	TTI	NHSA	ADAV	WII	FPT	PIN	IHS	DQL	SKF	RT	LLS	LSN	HE	GKPI	YITE	ENYR
F8L-AAA60846 (166)	YFKYLO	TTI	NHS	VACA	WII	FPT	PIN	IHS	DQL	SKF	RT	LLS	LSN	HE	GKPI	YITE	ENYR
Consensus (166)	YFTYLO	TTI	NHSA	VACA	WII	FPT	PIN	IHS	DQL	SKF	RT	LLS	SSN	HD	GKPF	YITE	ENYR
																	_ Secti	
(221)	221		230			240			250				260				275
D8L-P04195 (
D8L-AAA48107 (221)	NPYKLN	TDDT	YVY	YSGE	IIF	TAAS	TSP	ARE	NYF	MRW	LS	DLR	ETC	FS	YYQI	YIEC	SNKT
F8L-P33065 (221)	NPYKLN	TDDI	EVY	YSGE	IIF	TAAS	TSP	ARE	NYF	MRW	LS	DLR	ETC	FS	YYQI	CYIEC	NKT
F8L-AAA60846 (1 T T I		COP	TTE	יי ממ	TSP	ARE	NYFI	мри	LS	ם. זרנ	ETC	'FS	VVAL	VTEC	зикт
Consensus (
																		SNKT
((221) (276)	NPYKLN 276	TODT	'QVY'	290 290	IIF	TAAS	TSP	ARE 30	NYF 							CYIEC	SNKT
D8L-P04195 ((221) (276) (276)	NPYKLN 276 FAIIAI	IDDT VFV	'QVY	YSGE 290 TAIL	IIR) FFM	SAAT	TSP YSR	ARE 30 EKQ	NYFI 14 N							CYIEC	SNKT
((221) (276) (276)	NPYKLN 276 FAIIAI	IDDT VFV	'QVY	YSGE 290 TAIL	IIR) FFM	SAAT	TSP YSR	ARE 30 EKQ	NYFI 14 N							CYIEC	SNKT
D8L-P04195 (D8L-AAA48107 (F8L-P33065 (221) 276) 276) 276) 276)	276 FAIIAI FAIIAI	IDDT VFV VFV	FIL:	YSGE 290 FAIL FAIL	IIF FFM FLM FLM	ISRR ISRR ISRR	YSR YSR YSR	ARE 30 EKQ EKQ EKQ	NYF 14_ N N N							CYIEC	SNKT
D8L-P04195 (D8L-AAA48107 (276) 276) 276) 276) 276) 276)	276 FAIIAI FAIIAI FAIIAI	VFV	FIL:	290 PAIL PAIL PAIL	IIF FFM FLM FLM	ISRR ISRR ISRR ISRR	YSR YSR YSR YSR	30 EKQ EKQ EKQ EKQ	NYFI 14_ N N N N							CYIEC	SNKT



B5R-B7Ralign

														s	ection 1
	(1)			,10		20			,30			,40	*******		54
B5R-JQ1799	(1)	MKTI	SVVTI	rrcv:	LPAVI	YSTO	TVP	TMN	NAKI	TST	ETSF	NDK	QKVT	FTCI	QGYHS
B5R-D42526	(1)	MKTI	SVVTI	PCA:	LPAVI	YSTO	TVP	TMN	NAKI	TST	ETSF	NNN	QKVT	FTCI	QGYHS
B7R-NP_042219	(1)	MKTI	SVVTI	PCA:	LPAVI	YSTO	TVP	TMN	NAKI	TST	ETSF	NDK	QKVT	FTCI	SGYYS
B7R-CAA49116	(1)	MKTI	SVVTI	LCV:	LPAVI	YSTO	TVP	TMN	NAKI	TST	ETSF	NDK	QKVT	FTCI	SGYYS
B7R-G36855	(1)	MKTI	SVVTI	LCV:	LPAVI	YSTO	TVP	TMN	NAKI	TST	ETSF	NDK	OKVT	FTCI	SGYYS
B7R-2015436GX	(1)	MKTI	SVVTI	LCV	LPAVI	YSTO	TVP	TMN	NAKI	TST	ETSF	NDK	OKVT	FTCI	SGYYS
Consensus															SGYYS
														_	ection 2
	(55)	55	.60		.70			.80			,90				108
B5R-JQ1799			AVCEI	DKW	KYENI	CKKM	CTV	SDY	TSEI	YNK		VNS	rmtt.	SCNG	ETKYF
B5R-D42526	(55)	SDPN	AVCET	DKW	KYENI	CKKM	CTV	SDY	ISEI	YNK	PLYE	VNS	PMTI.	SCNG	ETKYF
B7R-NP_042219	(55)	TIDPN	AVCET	ישאמי	KYENI	CKKN	10TV	SDV	VSEI	YNK	DIVE	VND:	T TT.	יאים דר אר	ETKYF
B7R-CAA49116	(55)	LDPN	AVCET	DKW	KYENI	CKKM	CTV	SDY	VSEI	VNK	PLYE	VNA	T T TT.	TCKE	ETKYF
B7R-G36855	(55)	LDPN	AVCET	DKW	KYENI	CKKN	CTV	SDY	VSEI	YNK	PLVE	VNA		ב כונע דראים ד	ETKYF
B7R-2015436GX	(55)	TDPN	AVCET	ישאסי	KYENI	CKKN	CTV	SDY	VSEI	VNK	DIVE	ממע.	T T T T.	TOKE	PIKIE
Consensus	(55)	LDPN	AVCET	יטאמי	KYENI	CKKN	101 V 10TV	SDY	VSEI	.VNK	DI.VE	. עועע.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ICKL	ETKYF
	(00)							<u> </u>	V 3 1 1	J 1 1V 1C.		VIVA.			ection 3
	(109)	109		.12	0		.130			.140			150		162
B5R-JQ1799	(109)	RCEE	KNGNT	SWN	DTVTC	PNAF	COP	T.O.T.	EHGS	COP	VKEK	VSEC	TEVM	TIMO	DVCVE
B5R-D42526	(109)	RCEE	KNGNT	SWN	DTVTC	TINI	COP	T.OT.	EHGS	יכסד יכסד	VKEK	VCF	ZEVM	TINC	יםעפעבי
B7R-NP_042219	(109)	RCEE	KNGNT	SWN	מדעדות מדעדות	DNAF	2002	LOL	DHGS	COD.	VKEK	VSE	ZEUT'	TINC	ים עם עם:
B7R-CAA49116	(109)	RCEE	KNGNT	SWN	רעדע מדעדת	א מוחסי	2002	T.OT.	שממט	COD.	VKEK	VCE	3011 I	TINC	ים עים עותי
B7R-G36855	(109)	RCEE	KNGNT	SWN	ጋጥህጥር	TANAF	COS	LOL	DHGS	COD.	VKEK	VSF	ZEHT	TINC	יחעמעד
B7R-2015436GX	(109)	RCEE	KNGNT	SWN	ידעדו מדעדו	א ב ואם י	2002	LOL	DHGS	COD.	VKEK	VCE	3011 I	TINC	ים עים ערי
Consensus	(109)	RCEE	KNGNT	SWN	DTVT	PNAF	COS	LOL	DHGS	י כסד.	VKEK	VCF	ZENT'	ידאר דאר	יםעפעד
								202	<i>D</i> 1100		V 10110	151	31111		ection 4
	(163)	163	.17	n		.180			190		21	00			216
B5R-JQ1799					SWNV		OKC			IGI.T	SGST	FST	ZCVT.	HT.CC	YSCET
B5R-D42526	(163)	VIGA	SYTSO	מבדי	SWNVI	PSCC	OKC	חדם	ST.SK	CT.T	SGST	FCT	3GV T	ит. е с	.KSGFI
B7R-NP_042219	(163)	VIGA	SYTTO	וא בידי	SWNVI	בשפרת	OKC	חדם	CT.CN	CT.T	ecer ecer	POIC	3GVI.	ים דם	. KOCEI
B7R-CAA49116	(163)	VIGA	SYTTO	TAN	SWNVI	PSCC	OKC	חדם	ST.SK	CT.T	SGSI	FCI(3GV I.	11.CC	.KSGFI
B7R-G36855	(163)	VIGA	SYTTO	TAN	SWNV	PSCC	OKC	חדם	ST.SK	CLT	SGST	FCT(CVI	UT. C (.KSGFI
B7R-2015436GX	(163)	VIGA	SYTTO	TAN	SWNVI	PSCC	יעונט ממצר	DII	ST.SK	IGT. T	SGST	FCT(3G V I . 3G V I :	HT. C (KOCET.
Consensus	(163)	VIGA	SYTTO	TAN	SWNVI	PSCC	OKC	DII	ST.SK	CLI	SGST	FCT	3GV T.	UT. C (Kegeri
	(,,,,,						20110	<i>D</i> 1 1	DIST		5651	1010	3G V I .		ection 5
	(217)	217			230		2	40		,25	in	_	260		270
B5R-JQ1799			DCCTC	יד חמי		7T. D.T.C			ומ מים	בייייייייייייייייייייייייייייייייייייי	DDDE	יייייייייייייייייייייייייייייייייייייי			CVEOR
B5R-D42526	(217)	LTGS	PSST	ים חדי. ימת די	KMND	71.DTC	· V R I ጥርሆነ	NEE	יים חים עבעים	ים חחז. ים חחז	auua aune	יותה זחחי	ים זאם. ים זאם	VD A A	OABOE
B7R-NP_042219	(217)	LTGS	PSST	ים חדי. ימת די	KMND	T.DTC	. v IV I	MEE	אם עם ז'יים איי	יטעע. יאמעלי	מעעם מתחי	TDT	ים זעם. ים זעם	ע א עאז גערנע	CABOR
B7R-CAA49116	(217)	TITGS	PSCT	ים חדי. ים חדי	KMND	, 11. D T C	ידעם מסדי	MEE	ים חם ים חם	TEDG.	מעעם פתחי	י דעש יותרי	ם בעת כי ים דעם	יייינתע יייינתע	CAECE
B7R-G36855	(217)	LTCS	PSST	ים חדי. ימחדי	KMND	/ J. D. T. C	ידעם ססדי	MEE	המטם המנה	TEDO:	מחטם מחחם	יועה יחחי	ים זעם. ים זעם	VDMM	CAECE
B7R-2015436GX	(217)	ኒጥሮያ	PSST	ים חדי. ימחדי	KWND	/ 1. D T C	ם ססדי	MEE	ים חק עב עקב	TEDO:	בטטם קחחי	ייטע זעע	ים דעם. ים דעם	VD V V	CABOR
Consensus	(217)	LTGG	PSST	ים חדי. ים חדי	KWND	7T.DT0	ידעם ספדי	MEE	יחרום יחרי	ים שני. ישעם:	מעעם קתחי	י דעש זררי	OKTO:	יייינטע עטעע	OAEOE ATEÑE
Jonathaus	(-11)	ביים	110010	- + <i>U</i> G	TO ALTHE A	,112.1	- T V D	ならら	エカト	שעם.	בעעב	יחחי	SULS.	$\nabla D \wedge A$	SIROR



_			_
22	cti	nn.	æ

(271)			290	,300	317
B5R-JQ1799 (271)	IESLEATYH	IIIVALTIMO	VIFLISVIVI	VCSCDKNNDQYKFHK	LLP
B5R-D42526 (271)	IESLEATYH	IIIVALTIMO	VIFLISVIVI	VCSCDKNNDQYKFHKI	LLP
				VCSCNKNNDQYKFHK	
				VCSCNKNNDQYKFHK	
B7R-G36855 (271)	IESLEATYH	IIIVALTIMO	VIFLISVIVI	VCSCNKNNDQYKFHK	LLL
				VCSCNKNNDQYKFHKI	
Consensus (271)	IESLEATYE	HIIIVALTIMG	VIFLISVIVI	VCSCNKNNDQYKFHKI	LLL

FIGURE 7 CONTINUED



H5R-I5Ralign

				, <u>.</u>					——— Section 1
	(1)		,10	****************	20		30	.40	55
H5R-P07242	(1)	MAWSI	TNKADT	SSFTKMA	EIRAH:	LKNSAE	NKDKNED	IFPEDVIIP	STKPKTKRAT
H5R-E42514	(1)	MAWSI	TNKADT	SSFTKM	AEIRAH:	LKNSAE:	NKDKNED	IFPEDVIIP	STKPKTKRAT
I5R-P33062	(1)	MAWSI	TNKADT	SSFTKM	EIRAH:	LRNSAE	NKDKNDD:	IFPEDVIIP	STKPKTKRAT
I5R-AAA60836	(1)	MAWSI	TNKADT	SSFTKM	EIRAH:	LRNSAE	NKDKNDD:	IFPEDVIIP	STKPKTKRAT
Consensus	(1)	MAWSI	TNKADT	SSFTKMA	EIRAH	LKNSAE	NKDKNDD:	IFPEDVIIP	STKPKTKRAT
	-								Section 2
	(56)			,70		.80	,90		00 110
H5R-P07242	(56)	TPRKP.	AATKRS	TKKEE	VE	EEVVIE:	EYHQTTE	KNSPS	PGVSDIVESV
H5R-E42514	(56)	TPRKP.	AATKRS	TKKEE	VE	EEVVIE:	EYHQTTE	KNSPS	PGVGDIVESV
I5R-P33062	(56)	TPRKP.	AATKRS	TKKDKE	EEVEE	EEVVIE:	EYHQTTE	ENSPPPSSS	PGVGNIVESV
I5R-AAA60836	(56)	TPRKP.	AATKRS	TKKDKE	CEEV-E	EEVVIE:	EYHQTTE	ENSPPPSSS	PGVGDIVESV
Consensus	(56)	TPRKP.	AATKRS	TKKDKE	(EEVVE	EEVVIE:	EYHQTTE	KNSPPPSSS	PGVGDIVESV
									Section 3
((111)	111	,120		130		140	.150	165
H5R-P07242 ((102)	AAVEL:	DDSDGD:	D	EPI	MVQVEA	GKVNHSAI	RSDLSDLKV	ATDNIVKDLK
H5R-E42514 ((102)	AAVEL:	DDSDGD:	D	EPI	MVOVEA	GKVNHSAI	RSDLSDLKV	ATDNTVKDI.K
I5R-P33062 ((111)	TAVEL	DDSNGD:	DDNDNDN	IDDNEPI	MVQVEA	GKVNHSAI	RSDLSDLKV	ATDNIVKDLK
I5R-AAA60836 ((110)	TAVEL	DDSNGD:	DDNDNDN	IDDNEPI	MVQVEA	GKVNHSA	RSDLSDLKV	ATDNIVKDLK
Consensus ((111)	TAVEL	DDSNGD:	DDNDNDN	IDDNEPI	MVQVEA	GKVNHSAI	RSDLSDLKV	ATDNIVKDLK
	(166)	166		,180		190	200		Section 4
			TCNVCT		ACTOR	_ : :		2.	10 220 VVRKKVKTCK
H5R-F42514 ((148)	KTTTP	TOVACL.	AT'EDAO'S VOAGETA	AGI CDA	JEM GMW. Stromi	KYTUUT CI VALIIDSI	OLVIEGKSK OLVERGYCY	VVRKKVKTCK VVRKKVKTCK
I5R-P33062 ((166)	KITIR	T C V V C T.	AT'EDAO'S ATEDAO'S	AGION	JEWGWW. JETONII	Kelmal ci Kuliingi	OT ALEGEOR	VVRKKVKTCK VVRKKVKTCK
15R-AAA60836 ((165) (165)	KITIR	7 6 V V 6 T.	ATEDAČY ATEDAČY	VELCEV	JEW CMUI	KCILLICI KOIIIIOI	OT ALEGEOR OT ALEGEOR	VVRKKVKTCK VVRKKVKTCK
Consensus	(166)	KILLE	TSAVST	ALEDAOS	VACION	JEUC MULI Stronii	KVII LULI GI	JUVIEGKSK JIVTEGKSK	VVRKKVKTCK VVRKKVKTCK
				. 211 v Qr	743G T D K ((VYI I I I D)	PATEGESK	VVKKKVKTCK Section 5
	(221)	22121		· · ·					Gection 5
H5R-P07242 (· /								
11011-1012-1	(200)	1							

FIBURE 8



H5R-E42514 (203) K I5R-P33062 (221) K I5R-AAA60836 (220) K Consensus (221) K

	- •¹
3' EcoR	His ₁₀
-	GGGGSSGG-
	GGGGSSGG- A36R (57-185)
BspE I]-GGGGS <u>SG</u> G-
	A30L (full-length)
BamH I	-GGGGSSGG-
5' Afl	M1R (1-186) -GGGGSSGG- A30L (full

Figure 9